8. SEQUENCE LISTING

SEQUENCE LISTING

(1) GENERAL INFORMATION

    (i) APPLICANT: Meruelo, Daniel
                 Ohno, Kouichi

    (ii) TITLE OF THE INVENTION: VIRAL VECTORS COMPLEXES HAVING CHIMERIC ENVELOPE PROTEIN CONTAINING THE IgG-BINDING DOMAIN OF PROTEIN A

    (iii) NUMBER OF SEQUENCES: 11

    (iv) CORRESPONDENCE ADDRESS:
      (A) ADDRESSEE: Pennie & Edmonds
      (B) STREET: 1155 Avenue of the Americas
      (C) CITY: New York
      (D) STATE: NY
      (E) COUNTRY: USA
      (F) ZIP: 10036/2711

    (v) COMPUTER READABLE FORM:
      (A) MEDIUM TYPE: Diskette
      (B) COMPUTER: IBM Compatible
      (C) OPERATING SYSTEM: DOS
      (D) SOFTWARE: FastSEQ Version 2.0

    (vi) CURRENT APPLICATION DATA:
      (A) APPLICATION NUMBER:
      (B) FILING DATE: 28-MAR-1997
      (C) CLASSIFICATION:

    (viii) ATTORNEY/AGENT INFORMATION:
      (A) NAME: Poissant, Brian M.
      (B) REGISTRATION NUMBER: 28,462
      (C) REFERENCE/DOCKET NUMBER: 8105-009

    (ix) TELECOMMUNICATION INFORMATION:
      (A) TELEPHONE: 212-790-9090
      (B) TELEFAX: 212-869-8864
      (C) TELEX: 66141 PENNIE

    (2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 30 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CACGATGAGG TAACCGACAA CAAATTCAAC   30

    (2) INFORMATION FOR SEQ ID NO:2:

    (i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 17 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

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          (ii) MOLECULE TYPE: DNA

          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

     GTTTTCCCAG TCACGAC                                                  17

              (2) INFORMATION FOR SEQ ID NO:3:

  5       (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 38 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

          (ii) MOLECULE TYPE: DNA

 10       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

     AATTCGGGAG GCGGTGGATC AGGTGGAGGC GGTTCAGG                            38

              (2) INFORMATION FOR SEQ ID NO:4:

          (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
 15           (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

          (ii) MOLECULE TYPE: DNA

          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

     GATCCCTGAA CCGCCTCCAC CTGATCCACC GCCTCC                             36

 20           (2) INFORMATION FOR SEQ ID NO:5:

          (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 11 amino acids
              (B) TYPE: amino acid
              (C) STRANDEDNESS: unknown
              (D) TOPOLOGY: unknown

          (ii) MOLECULE TYPE: protein
 25
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

     Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
      1               5                   10

              (2) INFORMATION FOR SEQ ID NO:6:

          (i) SEQUENCE CHARACTERISTICS:
 30           (A) LENGTH: 14 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

          (ii) MOLECULE TYPE: DNA

          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

 35  CTAGAGCGCG CAAA                                                     14

              (2) INFORMATION FOR SEQ ID NO:7:

          (i) SEQUENCE CHARACTERISTICS:
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35

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        (A) LENGTH: 14 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

AGCTTTTGCG CGCT                                                      14

        (2) INFORMATION FOR SEQ ID NO:8:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

ATGTCGCTTA AGCAGGTAAC CACCGTTAAA GAAGGC                              36

        (2) INFORMATION FOR SEQ ID NO:9:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 27 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

GTTGCCATTG CTGCAGGCAT CGTGGTG                                        27

        (2) INFORMATION FOR SEQ ID NO:10:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CACGATGAGG TAACCGACAA CAAATTCAAC                                     30

        (2) INFORMATION FOR SEQ ID NO:11:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: DNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

GGTCGAGGTT ACCGGATCCC CGGGTACCGA                                     30
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